

NWIRP and Northrop Grumman Corporation

Other (Former) Names of Site: NWIRP - Bethpage, Grumman Aerospace Corporation

EPA Identification Number:	NYD002047967	
Facility Location:	830 South Oyster Bay Road, Bethpage, New York	
Navy Facility Contact: Northrop Grumman Contact:	Lora Fly (757) 341-2012, lora.fly@navy.mil John Cofman	
EPA Contact Name:	Carol Stein, (212) 637-4181, stein.carol@epa.gov	
New York State Department of Environmental Conservation (NYSDEC) Case Manager:	Henry Wilkie, (518) 402-8594, hjwilkie@gw.dec.state.ny.us Steve Scharf, (518) 402-9620, sxscharf@gw.dec.state.ny.us	
Last Update:	September 2010	
Environmental Indicator Status:	Human Exposures Under Control: No status has been recorded. Groundwater Contamination Under Control: No status has been recorded	

Site Description

The combined Northrop Grumman (Grumman Aerospace) and former Naval Weapons Industrial Reserve Plant Site (NWIRP) Facility is situated on 605 acres in the Town of Oyster Bay, Bethpage, New York. Approximately 105 of the 605 acres are occupied by the NWIRP, a Government Owned Contractor Operated (GOCO) facility.

The Northrop Grumman Corporation was established in the early 1930s, and NWIRP-Bethpage was established in 1941. Activities conducted at the facility included engineering, administrative, research and development, and testing operations, as well as manufacturing operations for the Navy and NASA.

The facility also had an active airfield. Both Northrop Grumman and the NWIRP had numerous industrial groundwater supply wells and recharge basins. The manufacturing portion of the Northrop Grumman and the complete NWIRP facility are now closed.

The facility is surrounded by industrial and commercial facilities along with several residential communities. There are several public and private water supply wells located

within a two-mile radius of the facility. All water supplies are drawn from the Nassau-Suffolk aquifer system, which was designated a sole-source aquifer by EPA in 1975.

Site Responsibility and Legal Instrument

This is a RCRA permitted storage facility in an authorized State. Both the Navy and Grumman are listed as responsible parties in the 6 NYCRR Part 373 hazardous waste permit and are class 2 inactive hazardous waste sites pursuant to 6 NYCRR Part 375. As the facility no longer manages hazardous wastes, the hazardous waste permit now covers only the on-site corrective action requirements for cleaning up the area formerly operated by Grumman.

Groundwater remediation (both on-site and off-site) is being conducted under the authority of NYSDEC's Division of Environmental Remediation (Part 375). In 2001, NYSDEC issued a Record of Decision (ROD) that describes the selected remediation plan for the facility. The selected remedy includes a groundwater remedial program and a public water supply protection program.

Potential Threats and Contaminants

A plume of groundwater contaminated with volatile contaminated compounds (VOCs) is approximately 3,000-plus acres and extends south of Hempstead Turnpike and it reaches in some areas to a depth of approximately 750 feet below the ground. Three of the Bethpage Water District (BWD) well fields have been impacted by the plume and VOC treatment has been in place for over 10 years. AQUA NY well field has recently been impacted and VOC (Trichloroethene) concentrations are increasing in the well field.

Cleanup Approach and Progress

Northrop Grumman operates and maintains the Onsite Containment System (ONCT) to stop contaminated groundwater that is still on the facility from traveling off-site. The groundwater contamination that currently is off-site had traveled off-site before the ONCT was constructed.

Construction by the Navy of an offsite groundwater hot spot remediation system (GM-38 Area) was completed in December 2009 and currently is in operation. The Navy recently completed negotiations with South Farmingdale Water District for treatment on two of its well fields. Additionally, design for treatment of the AQUA NY well is almost complete.

The Navy is working on selecting a location for a clustered outpost well location for the Massapequa Water District. The purpose of this outpost well would be to help determine how soon a treatment system would be needed at the water supply wells.

Under the provisions of the Safe Drinking Water Act, EPA allows for treatment of the water supply, as long as drinking water standards (MCLs) are met. The federal drinking water standards have been met consistently for the water supplies in nearby towns.

Currently, EPA and the US Geological Survey (USGS) are reviewing the regional groundwater models for Nassau County, to help decide how to predict the rate at which the contaminated groundwater is flowing toward the water supply wells. A report of their findings is scheduled for April 2011.